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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/753,668	01/04/2001	Toshio Shimosako	1907-0196P	1958

7590

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EXAMINER

YENKE, BRIAN P

ART UNIT PAPER NUMBER

2614

DATE MAILED: 01/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/753,668

Applicant(s)

SHIMOSAKO ET AL.

Examiner

BRIAN P. YENKE

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 June 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

1. Applicant's arguments filed 22 September 2003 have been fully considered but they are not persuasive.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Allport, US 6,097,441.

In considering claims 1 and 6,

The claimed an information processing device having a television display function and provided with a small display device in addition to a display device for the information processing device, wherein, when a power supply is turned on, a TV picture is displayed on the display device and TV sound is output, an operating state and a starting state of the information processing device is displayed on the small display device, wherein the information processing device determines whether an information

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processing function or a television function is to be performed and providing a source of data to be displayed on the small display device based on the determination.

Allport discloses a system for dual-display interaction, where the system includes a TV (80), Base station (75) and remote control (10), where the base station can also be incorporated in either the TV or remote (Fig 2, col 9, line 19-34). The remote control (10) (small display device), includes a display screen 15 (col 7, line 2-4), where the remote control can also function as a regular portable TV (col 5, line 1-4). The remote control affords the user the ability to view multiple data streams using two different displays, one being the TV (80) and the second being the remote's own display screen. The remote is able to control the TV 80 and also various consumer devices and appliances which respond to the remotes commands. Thus when the remote turns on the TV 80 (power supply is turned on), the TV 80 will display the selected channel along with the audio of the selected channel. Regarding the determining whether an information processing function or television function is to be performed is met by base station 75 which receives all the data streams (i.e. broadcast TV, cable TV, satellite TV, a VCR, laser disc, DVD and information from the internet) (Fig 2, col 9, line 46-65), and acts as a switching station by determining whether to send the data streams (or parts thereof) to the TV 80, to the remote 10, to both, or to neither. Thus based upon the desired signal by the viewer of the remote, whether it's TV signal or non-TV (information signal) determines the function (displaying a non-TV signal or a TV signal) to be performed, which is then displayed on the remotes display.

Allport incorporates the entire disclosure US application 09/001873 (now US Patent 6,104,334) into the disclosure of US 6,097,441 (col 1, line 6-13).

As disclosed by Allport, in US 6,097,441, the remote control includes programmable function keys and a graphical display to show status and help information on the devices being controlled and allows the consumer to browse, select or otherwise manipulate data related to the control of the consumer devices (col 4, line 28-39). The on-display help also simplifies the initial device configuration and status and other feedback information is available on-display during actual operation (col 5, line 23-33).

Allport also discloses that passwords and filters may be programmed into the remote to limit or deny access to certain information (i.e. parental control) (col 5, line 33-44).

Allport also discloses that while viewing a TV program, the audio output can be changed to the audio from another room in the house (col 10, line 11-17). As to the operating state and starting state, Allport discloses that the remote screen 15 allows the consumer to monitor and control the current status of the devices, the future tasks scheduled to be performed by the devices and the prior history of the tasks to be performed (col 10, line 18-26).

In considering claim 2,

The claimed an information processing device having a TV display function and provided with a small display device in addition to a display device for information processing device, wherein a currently selected TV channel number and TV channel information is displayed on the small display device wherein the information processing

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device determines whether an information processing function or a television function is to be performed and providing a source of data to be displayed on the small display device based on the determination is met by Allport which discloses a system for dual-display interaction, where the system includes a TV (80), Base station (75) and remote control (10), where the base station can also be incorporated in either the TV or remote (Fig 2, col 9, line 19-34). The remote control (10) (small display device), includes a display screen 15 (col 7, line 2-4), where the remote control can also function as a regular portable TV (col 5, line 1-4). The remote control affords the user the ability to view multiple data streams using two different displays, one being the TV (80) and the second being the remote's own display screen. Regarding the determining whether an information processing function or television function is to be performed is met by base station 75 which receives all the data streams (i.e. broadcast TV, cable TV, satellite TV, a VCR, laser disc, DVD and information from the internet) (Fig 2, col 9, line 46-65), and acts as a switching station by determining whether to send the data streams (or parts thereof) to the TV 80, to the remote 10, to both, or to neither. Thus based upon the desired signal by the viewer of the remote, whether it's TV signal or non-TV (information signal) determines the function (displaying a non-TV signal or a TV signal) to be performed, which is then displayed on the remotes display.

Allport also incorporates the entire disclosure of US 6,104,334 (application 09/001873) which states that the remote control 10, includes a first area 146 which is used to display a description 150 of the current program being watched on the primary

display, the information includes the source of the picture entertainment channel, that station or channel, the name of the program and the start and end time of the picture entertainment.

In considering claim 3,

The claimed an information processing device having a TV display function and provided with a small display device in addition to a display device for the information processing device, which possesses a function of handling plural input sources for TV output and a function of displaying information of a currently selected input source of the plural input sources on the small display device wherein the information processing device determines whether an information processing function or a television function is to be performed and providing a source of data to be displayed on the small display device based on the determination is met by Allport which discloses a system for dual-display interaction, where the system includes a TV (80), Base station (75) and remote control (10), where the base station can also be incorporated in either the TV or remote (Fig 2, col 9, line 19-34). The remote control (10) (small display device), includes a display screen 15 (col 7, line 2-4), where the remote control can also function as a regular portable TV (col 5, line 1-4). The remote control affords the user the ability to view multiple data streams using two different displays, one being the TV (80) and the second being the remote's own display screen. As shown in Figure 3, base station 8 receives multiple input sources, including HTML data 95 and digital data (A) and analog data (B) from signal 85 (i.e. broadcast TV, satellite TV, VCR, Laser Disc, DVD, cable TV etc). Regarding the determining whether an information processing function or

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television function is to be performed is met by base station 75 which receives all the data streams (i.e. broadcast TV, cable TV, satellite TV, a VCR, laser disc, DVD and information from the internet) (Fig 2, col 9, line 46-65), and acts as a switching station by determining whether to send the data streams (or parts thereof) to the TV 80, to the remote 10, to both, or to neither. Thus based upon the desired signal by the viewer of the remote, whether it's TV signal or non-TV (information signal) determines the function (displaying a non-TV signal or a TV signal) to be performed, which is then displayed on the remotes display.

In considering claim 4,

The claimed an information processing device having a TV display function and provided with a small display device in addition to a display device for the information processing device, wherein TV sound volume information is displayed on the small display device wherein the information processing device determines whether an information processing function or a television function is to be performed and providing a source of data to be displayed on the small display device based on the determination is met by Allport which discloses a system for dual-display interaction, where the system includes a TV (80), Base station (75) and remote control (10), where the base station can also be incorporated in either the TV or remote (Fig 2, col 9, line 19-34). As disclosed by Allport, the additional display screen (LCD 15 of remote 10) can display

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status information during attribute adjustment (e.g., to volume, contrast, color, tint, brightness, sound etc.) (col 3, line 63 to col 4, line 3).

Regarding the determining whether an information processing function or television function is to be performed is met by base station 75 which receives all the data streams (i.e. broadcast TV, cable TV, satellite TV, a VCR, laser disc, DVD and information from the internet) (Fig 2, col 9, line 46-65), and acts as a switching station by determining whether to send the data streams (or parts thereof) to the TV 80, to the remote 10, to both, or to neither. Thus based upon the desired signal by the viewer of the remote, whether it's TV signal or non-TV (information signal) determines the function (displaying a non-TV signal or a TV signal) to be performed, which is then displayed on the remotes display.

In considering claim 5,

The claimed an information processing device having a TV display function and provided with a small display device in addition to a display device for the information processing device, which is further provided with function for selecting a content of information to be displayed on the small display device, wherein an operating state and a starting state of the information processing device, a currently selected TV channel number and TV channel information, a currently selected input source and TV sound volume information are selectively displayed on the small display device, wherein the information processing device determines whether an information processing function or

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a television function is to be performed and providing a source of data to be displayed on the small display device based on the determination.

Allport discloses a system for dual-display interaction, where the system includes a TV (80), Base station (75) and remote control (10), where the base station can also be incorporated in either the TV or remote (Fig 2, col 9, line 19-34). The remote control (10) (small display device), includes a display screen 15 (col 7, line 2-4), where the remote control can also function as a regular portable TV (col 5, line 1-4). The remote control affords the user the ability to view multiple data streams using two different displays, one being the TV (80) and the second being the remote's own display screen. The remote is able to control the TV 80 and also various consumer devices and appliances which respond to the remotes commands. As disclosed by Allport, the additional display screen (LCD 15 of remote 10) can display status information during attribute adjustment (e.g., to volume, contrast, color, tint, brightness, sound etc.) (col 3, line 63 to col 4, line 3). Regarding the determining whether an information processing function or television function is to be performed is met by base station 75 which receives all the data streams (i.e. broadcast TV, cable TV, satellite TV, a VCR, laser disc, DVD and information from the internet) (Fig 2, col 9, line 46-65), and acts as a switching station by determining whether to send the data streams (or parts thereof) to the TV 80, to the remote 10, to both, or to neither. Thus based upon the desired signal by the viewer of the remote, whether it's TV signal or non-TV (information signal)

determines the function (displaying a non-TV signal or a TV signal) to be performed, which is then displayed on the remotes display.

Allport also incorporates the entire disclosure of US 6,104,334 (application 09/001873) which states that the remote control 10, includes a first area 146 which is used to display a description 150 of the current program being watched on the primary display, the information includes the source of the picture entertainment channel, that station or channel, the name of the program and the start and end time of the picture entertainment. As disclosed by Allport, in US 6,097,441, the remote control includes programmable function keys and a graphical display to show status and help information on the devices being controlled and allows the consumer to browse, select or otherwise manipulate data related to the control of the consumer devices (col 4, line 28-39). The on-display help also simplifies the initial device configuration and status and other feedback information is available on-display during actual operation (col 5, line 23-33). Allport also discloses that passwords and filters may be programmed into the remote to limit or deny access to certain information (i.e. parental control) (col 5, line 33-44). Allport also discloses that while viewing a TV program, the audio output can be changed to the audio from another room in the house (col 10, line 11-17). As to the operating state and starting state, Allport discloses that the remote screen 15 allows the consumer to monitor and control the current status of the devices, the future tasks

scheduled to be performed by the devices and the prior history of the tasks to be performed (col 10, line 18-26).

Applicant's Arguments

a) The applicant states that the disclosure of Allport '441 patent describes a different invention than that set forth in Allport '334 patent. The applicant thus states, the examiner is relying upon two references in order to maintain the 35 USC 102, rejection, which is improper.

Examiner's Response

a) The examiner disagrees. The 441 patent incorporated the entire disclosure of the '334 patent (09,001873) by reference (col 1, line 6-13). It is also noted by the examiner that the MPEP 2163.07(b)[R-1] states, "Instead of repeating some information contained in another document, an application may attempt to incorporate the content of another document or part thereof by reference to the document in the text of the specification. The information incorporated is as much a part of the application as filed as if the text was repeated in the application, and should be treated as part of the text of the application as filed. Thus, the examiner maintains the 35 USC 102 rejection, since the disclosure of the '441 patent incorporated the entire disclosure of the '334 patent.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Rigatti, US 2003/0128965; discloses a universal storage device for data including TV and computer information;

Eaton et al., US 6,577,849 discloses a system where remote control devices are provided additional information about a broadcast.

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Yenke whose telephone number is (703) 305-9871. The examiner work schedule is Monday-Thursday, 0730-1830 hrs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, John W. Miller, can be reached at (703)305-4795.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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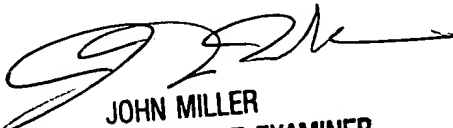
Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703)305-4700.

B.P.Y
December 16, 2003


JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600